



*Miami-Dade County
Metropolitan Planning Organization (MPO)*

General Planning Consultant (GPC)

Studies Conducted under the GPC for FY 2004-2006

**Cambridge Systematics, Inc.
Kimley-Horn & Associates
Parsons Brinkerhoff Quade & Douglas, Inc.
Reynolds, Smith & Hills, Inc.
The Corradino Group**

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Introduction

The purpose of this contract is for consultants to provide professional planning services, as needed, to supplement the MPO Secretariat's efforts in conducting the transportation planning process for the Miami Urbanized Area. The period for this GPC Cycle was from June 1, 2003 through May 31, 2006. A Request for Proposal (RFP) was issued in 2003 and the following firms were awarded the contract:

1. Cambridge Systematics, Inc
2. Kimley-Horn & Associates, Inc.
3. Parsons, Brinkerhoff, Quade & Douglas, Inc.
4. Reynolds, Smith & Hills, Inc.
5. The Corradino Group

Background

The GPC is a procedure used to facilitate the traditional contracting process that would otherwise take a longer time to complete. This procedure responds better to the immediate needs in the technical and professional areas of work. In the case of the MPO, these services are needed to support staff in conducting the transportation planning process and needed studies. Other MPOs nationwide, as well as FDOT and Miami-Dade County departments have similar contracts in place.

Work Development

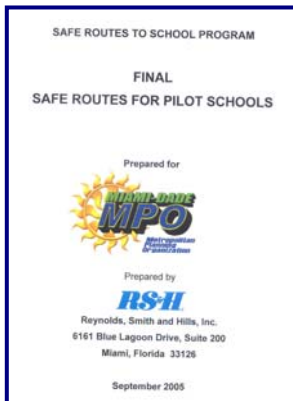
For each task performed under the GPC contract, a written scope of work (SOW) is prepared by MPO staff and after approval by the MPO Board, the SOW is provided to the selected firms for consideration. The interested firms submit proposals which are evaluated based on an internal process established for assigning work orders as appropriate. The assignment of Work Orders is based on the following considerations:

1. Proposed cost of the work to be performed
2. Schedule of time proposed for completing the work to be performed
3. Competence of the firm, including technical education and availability of adequate personnel, experience in the kind of projects to be undertaken, equipment and facilities
4. Experience of the firm in the kind of projects to be undertaken
5. Current workload of the firm

Once the internal evaluation of proposals is completed, a Notice to Proceed (NTP) letter authorizing the work order is issued to the selected firm. For the development of this contract, a total of up to One Million Five Hundred Thousand Dollars (\$1,500,000.00) composed of federal, state and local match was allocated for FY 2004 through FY 2006. Studies undertaken during this period and their respective allocations are shown below.

Work Assignments

Based on the criteria indicated the following studies were assigned:



Work Order #1

Safe Routes to School Program Study

Completed on September 2005 - Reynolds, Smith & Hills, Inc.

Objective: To identify and propose corrective measures along designated Safe Routes to School in selected high juvenile pedestrian crash areas in Miami-Dade County

MPO Contact: David Henderson

Cost: \$54,177

Status: Safe Route to Schools maps will be distributed to the sample schools for the 2006 school year. Funding for the wider implementation of the Safe Routes to School procedure manual is included in the federal SAFETEA-LU legislation and will be administered by FDOT.



Work Order #2

Bicycle/Pedestrian Project Feasibility Study

Completed on March 2004 - Kimley-Horn & Associates, Inc.

Objective: To evaluate projects identified in the MPO Bicycle and Pedestrian Plans for cost and construction feasibility and develop a more detailed concept plan for the Commodore Trail.

MPO Contact: David Henderson

Cost: \$55,000

Status: Funding for the proposed Commodore Trail project is included in FY 2013 of the Building Better Communities bond program.



Work Order #3

Connecting Traffic Generators Study

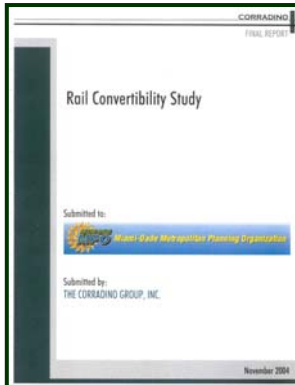
Completed on August 2004 - Cambridge Systematics, Inc.

Objective: To identify opportunities for the creation of intermodal facilities and operations that will enable the public and private sectors to jointly serve the needs of major employment centers, neighborhoods and tourist destinations.

MPO Contact: Carlos Roa

Cost: \$53,563

Status: As a result, sites were identified for intermodal facilities and a website application was developed with transportation data and pictures of selected locations.



Work Order #4

Rail Convertibility Study

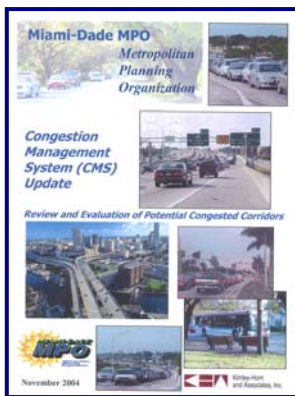
Completed on November 2004 - The Corradino Group

Objective: To provide a comprehensive assessment of abandoned and underutilized rail right-of-way for potential public transportation uses.

MPO Contact: Wilson Fernandez

Cost: \$72,000

Status: The study identified various alternative uses for rail ROW including Bicycle/Pedestrian and passenger services. Assessments of these recommendations are being undertaken as part of the ongoing corridor planning activities.



Work Order #5

Congestion Management System (CMS) Update

Completed on November 2004 - Kimley-Horn & Associates

Objective: To update the Miami-Dade County CMS developed in 1996.

MPO Contact: Jesus Guerra

Cost: \$70,000

Status: Congested corridors were re-evaluated and recommendations were made. As part of this study, congested intersections were also identified and included for further detailed analysis to the Public Works Department.



Work Order #6

Rapid Transit Improvement Analysis Study

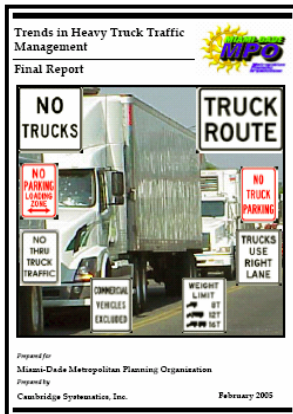
Completed on March 2004 - Parsons Brinkerhoff Quade & Douglas, Inc.

Objective: To evaluate and prioritize 62 of the 89 miles of proposed Rapid Transit Lines under the People's Transportation Plan.

MPO Contact: Wilson Fernandez

Cost: \$49,200

Status: The study was terminated midway through its completion due to the development of the PTP proforma which provided a corridor prioritization framework which essentially addressed the study's main objective.



Work Order #7

Trends in Heavy Truck Traffic Management Study

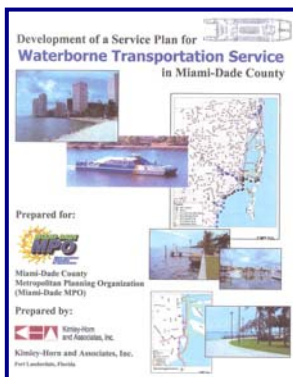
Completed on February 2005 - Cambridge Systematics, Inc.

Objective: To determine how contemporary highly urbanized areas manage the flow of freight and goods carried by heavy trucks on major urban roadways.

MPO Contact: Larry Foutz

Cost: \$55,000

Status: Recommendations were made and are under consideration by the Freight Transportation Advisory Committee (FTAC) and at other county levels.



Work Order #8

Development of a Service Plan for Waterborne Transit Services in Miami-Dade County

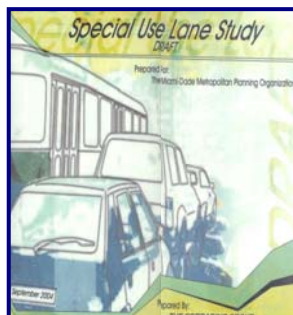
Completed on December 2004 - Kimley-Horn & Associates

Objective: To develop an appropriate service plan for potential implementation of waterborne transit services in Miami-Dade County.

MPO Contact: Jesus Guerra

Cost: \$85,000

Status: As a result of this study, firms were solicited to show interest in the project. Two firms submitted proposals for consideration during this process. An analysis is being prepared for further discussions at County Manager's level and the MPO Governing Board.



Work Order #9

Special Use Lane Study

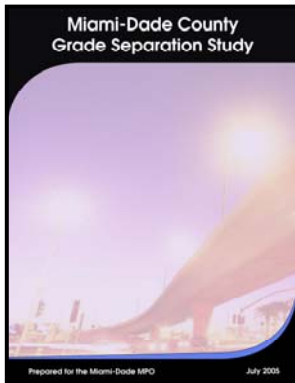
Completed on October 2004 - The Corradino Group

Objective: To determine whether there are opportunities for implementing reversible flow operations or other techniques that can alleviate traffic congestion on arterials in Miami-Dade County.

MPO Contact: Jesus Guerra

Cost: \$71,225

Status: As a result of this study, a second phase was requested for establishing detailed plans for the implementation of the bus on shoulders project at several expressway facilities.



Work Order #10

Feasibility of Implementing Grade Separations on Intersections in Miami-Dade County

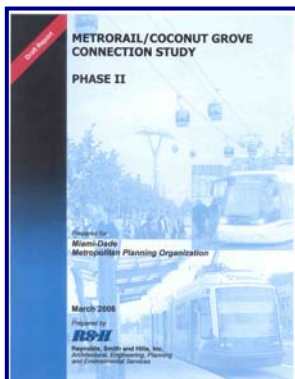
Completed on June 2005 - The Corradino Group

Objective: To evaluate the feasibility of implementing grade separations techniques on arterials in Miami-Dade County.

MPO Contact: Jesus Guerra

Cost: \$71,500

Status: 17 intersections were evaluated and five of them recommended for construction. Of these 5, FDOT is conducting a PD&E study for one of the intersections and two others were recommended to be funded through the Transportation Regional Incentive Program (TRIP).



Work Order #11

Metrorail/Coconut Grove Connection Study

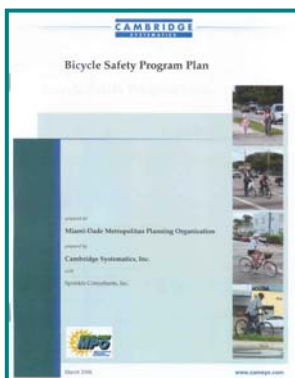
Completed on June 2005 - Reynolds, Smith & Hills, Inc.

Objective: To examine the feasibility of implementing an exclusive ROW transit connection between the Metrorail Line and the Coconut Grove Village Center.

MPO Contact: Wilson Fernandez

Cost: \$72,758

Status: Phase I was completed with the TPC directive to further evaluates BRT, aerial cableway and light rail options in Phase II. A draft for this phase has been prepared for TPC consideration.



Work Order #12

Comprehensive Bicycle Safety Program Plan

Completed on June 2005 - Cambridge Systematics, Inc.

Objective: To develop a comprehensive bicycle safety countermeasure program based on the analysis of bicycle traffic crash data.

MPO Contact: David Henderson

Cost: \$54,966

Status: Detailed safety strategies were developed through the Bicycle/Pedestrian Advisory Committee and submitted to FDOT for funding through their Safety Program.



Work Order #12-MDPRD

Snake Creek Study

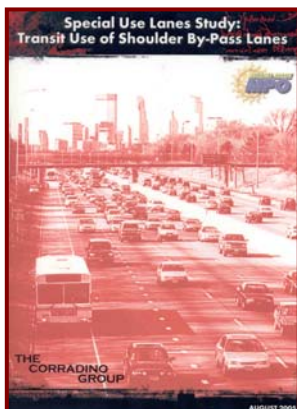
Completed on September 2005 - Kimley-Horn & Associates

Objective: To assess the development of a non-motorized trail and linear park within the Snake Creek Canal right of way between NE Miami Gardens Drive and Florida's Turnpike.

MPO Contact: David Henderson

Cost: \$55,000

Status: \$350,000 for final design is included in the 2007 TIP under project # 2512003. A request for construction funding will be made during the 2008 TIP development cycle. \$1M is included in the Building Better Communities bond program for a bicycle bridge over I-95 at the Snake Creek Canal.



Work Order #13

Special Use Lane II Study

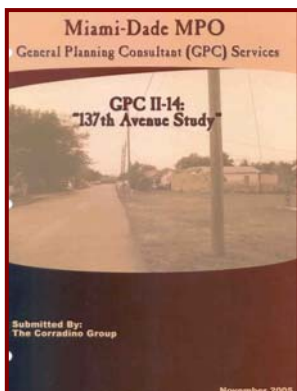
Completed on June 2005 - The Corradino Group

Objective: To develop a bus service implementation plan for the Express Core System as it was recommended by the First Phase of the Study.

MPO Contact: Jesus Guerra

Cost: \$75,000

Status: Plans were completed and submitted to MDT for construction. Agreements were established with FDOT, MDX and the Turnpike for installation and further implementation of the project along SR-874, SR-878 and SR 836.



Work Order #14

137th Avenue Study

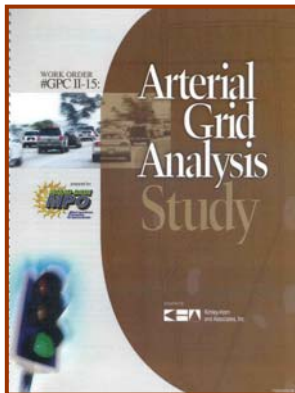
Completed on The Corradino Group

Objective: The objective of this study is to identify alternatives for improving traffic flow along 137th Avenue from SR-836 to US-1.

MPO Contact: Jesus Guerra

Cost: \$90,000

Status: This study is underway and should be completed by December 2006.



Work Order #15

Arterial Grid Network Analysis Study

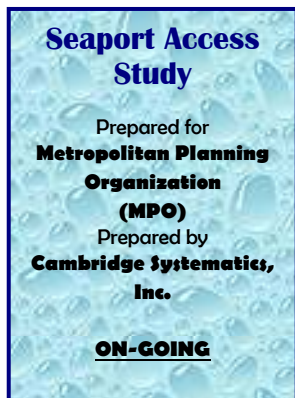
Kimley-Horn & Associates

Objective: To increase the efficiency and capacity of the established arterial grid system in Miami-Dade.

MPO Contact: Wilson Fernandez

Cost: \$75,000

Status: This study is underway and should be completed by December 2006.



Work Order #16

Seaport Freight Access Study

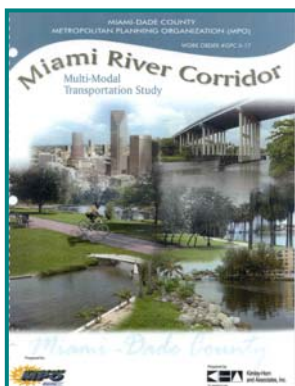
Cambridge Systematics, Inc.

Objective: To review and evaluate a variety of intermodal alternatives for providing improved freight access to and from the Port of Miami to meet the Port's growing intermediate and long-range freight access needs.

MPO Contact: Larry Foutz

Cost: \$150,000

Status: This study is underway and should be completed by December 2006.



Work Order #17

Miami River Corridor Multimodal Transportation Study

Kimley-Horn & Associates

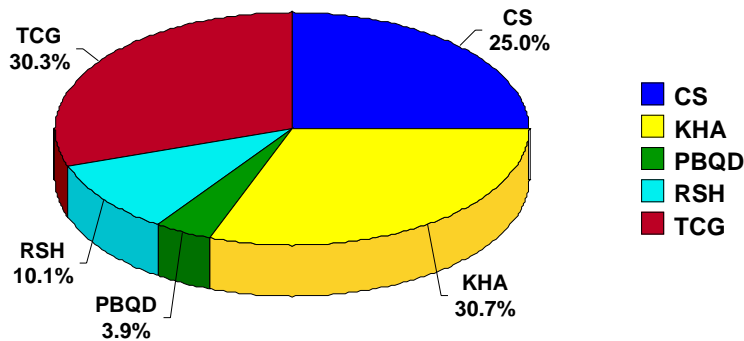
Objective: To assess transportation conditions along the Miami River Corridor from NW 36 St to the mouth of the river; summarize planned improvements; recommend new projects to improve access and mobility along the River; and evaluate the river as a potential Strategic Intermodal System facility.

MPO Contact: David Henderson

Cost: \$100,000

Status: This study is underway and should be completed by January 2007.

GPC II - Summary of Work Assignments By Dollar Amount



The total expenditure for this cycle of the GPC contract (FY 2004 - FY 2006) was \$1,254,389.

This figure shows the results of the MPO in managing the pool of consultants in the GPC contract. A total of 17 studies were assigned during this 3-year period. Additionally, this pool of consultant provided the MPO with a tool for a fast response to the transportation planning needs of Miami-Dade County. Finally, the availability of the 5 firms to conduct the studies also provided the MPO with the flexibility for maximizing the professional resources under the GPC Program.

Next Steps

Based on the success of having a pool of consultants for assisting the MPO transportation planning process, a new Request for Proposal (RFP) was issued. As a result of this process, the following firms were selected for the next cycle of the GPC program:

1. David Plummer & Associates (DPA)
2. Gannett Fleming, Inc. (GF)
3. Kimley-Horn & Associates (KHA)
4. Parsons Transportation Group (PTG)
5. The Corradino Group (TCG)

Under MPO Resolution #34-06, the MPO Governing Board approved the selection of these firms on its meeting held on June 22, 2006. For FY 2007 through FY 2009 the total funding allocated is \$2M for all firms participating in the contract.

Responses to Questions Regarding This Program

1. Why the need of five (5) consultants?

The decision of having 5 firms in the pool of consultants provides the MPO with a variety and flexibility in assigning the studies.

2. Why a total of \$2M?

This total of funding is available for a 3-year period to be assigned to firms participating in the program. If not all the funds are ultimately assigned, remaining monies will go back to available MPO program funds, as appropriate.

3. Are all consultants qualified for conducting the studies?

Yes; even though some of them are more oriented to specific areas such as highway planning, transit planning, travel forecasting and policy, among others. All participating firms during the selection process were certified by the County. They have to meet the technical certification requirements that in this case were for:

- a. 1.01 - Transportation Planning: Urban and Regional Planning
- b. 1.02 - Transportation Planning: Mass and Rapid Planning

4. What process was used for the initial selection of the firms?

An open bid process was conducted. A Request for Proposal (RFP) was issued and 14 teams submitted proposals for participating in the process. A Selection Committee was formed and evaluations of the proposals were conducted. The firms were ranked accordingly by the 5-member Selection Committee and the top five firms were recommended. This process was conducted through the County's Office of Capital Improvements (OCI).

5. Is there any duplication in the process?

The MPO is ruled by the County process. Participating firms must meet county requirements. Even though these firms are doing business with other transportation public entities such as: Florida Department of Transportation (FDOT), Florida's Turnpike Enterprise (FTE) and Miami-Dade Expressway Authority (MDX), among others, the process for selecting consultants are different and each entity has their own requirements. The type of planning studies conducted is also different for each of those entities.

6. Can these services be provided by FDOT's consultants?

No, see question #5.

7. What is the process for assigning the studies to the consultants?

As indicated in a previous section (Work Development), a Scope of Work is prepared and after MPO approval is obtained, it is submitted to all firms for their consideration. Those firms interested in the study submit their proposal which is evaluated by a Selection Committee. The Work Order is assigned based on the criteria indicated in the same referred section.

8. How are studies included in the GPC?

There are two options for including studies under the GPC program:

- a. Those studies under the Unified Planning Work Program (UPWP) that have already been approved by the MPO Governing Board, and

- b. studies that are requested by MPO Board Members, other transportation agencies, MPO staff or citizens. In all cases, proposed studies must be submitted to the MPO Board for approval of the Scope of Work and the budget.

9. What is the approximate individual budget for each of these studies?

Usually, studies conducted under the GPC program are between \$50,000 and \$200,000, depending on the complexity of the study. For studies under \$50,000 it is required by the County to use the Equitable Distribution Program (EDP). If the study is over the top ceiling, the MPO normally issues an RFP for an open bid process.

10. How long are these studies?

Under normal conditions studies are completed within a year or less.

11. Other entities can benefit of the GPC?

Yes, Clause XXII (Assignability) of the contract allows municipalities and other government agencies such as Public Works, Miami-Dade Transit and others to access the pool of consultants already in place. A letter must be submitted to the MPO with the Scope of Work and estimated budget. Only transportation planning studies covered in the contract are eligible under this Clause. If approved, the list of consultants and contact persons are provided to the entity, for appropriate action.

Proposed studies to be assigned to selected firms:

1. Model Validation to Cube Voyager
2. Congested Intersection Improvements Study - Phase II
3. Truck Route System for Miami-Dade County
4. Emergency Evacuation Plan
5. NW/NE 36th Street Area Corridor
6. South Miami Trolley Study
7. US 1 Reversible Flow Lane Study
8. Metrorail M-Path Master Plan
9. Bicycle and Pedestrian Traffic Count Program
10. Black Creek Trail Study
11. Intersection Safety Analysis and Recommendations
12. Transportation Innovations in the 21st Century: A Look to the Future
13. Planning, Management and Operation of the Traffic Congestion in Miami-Dade County

